

**Notice of Allowability**

Application No.

09/263,068

Examiner

JEAN B. FLEURANTIN

Applicant(s)

PECHENY, BORIS

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/24/05.
2. ☒ The allowed claim(s) is/are 1-35 and 37.
3. ☒ The drawings filed on 08 March 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**SHAHID ALAM**  
**PRIMARY EXAMINER**

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### **DETAILED ACTION**

1. In view of the Brief filed on 1/24/05, PROSECUTION IS HEREBY REOPENED.

Thus, the rejection of last Office action has been withdrawn.

2. Claim 36 has been canceled.

Claims 1-35 and 37 remain pending for examination.

### **REASONS FOR ALLOWANCE**

3. With respect to claims 1-35 and 37 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1, 16, 31, 32 and 35, the claimed features "a method of searching for a string in a lexical cache, said lexical containers associated with respective key lengths and configured to hold respective numbers of entries based on the respective key lengths" in conjunction with other elements of the independent claims would not found anticipated or obvious over the prior art made of record. With claims 6 and 21, the claimed features "identifying a hash table from among a plurality of hash tables based on the length of the key, said hash table containing sequences of slots for holding entries associated with strings, each of said sequences of slots corresponding to respective hash value, wherein at least one of the hash tables is configured to hold a different number of slots than at least another one of the hash table" in conjunction with other elements of the independent claims would not found anticipated or obvious over

the prior art made of record. With respect to claims 15 and 30, the claimed features "each of said sequences of slots corresponding to a respective hash value and a number of the slots being based on a respective key length, wherein at least one of the hash tables is configured to hold a different number of slots than at least another one of the hash tables" in conjunction with other elements of the independent claims would not found anticipated or obvious over the prior art made of record.

The dependent claims, being definite, further limiting, and fully enabled by the specification are also allowed.

The closest prior art, Li, U.S. Patent Number 5,774,588 relates to reducing the number of entries in a lexicon. Rangarajan et al., U.S. Patent Number 5,706,365 relates to systems and methods that index words in a document for subsequent search and retrieval but fail to teach the above limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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### CONTACT INFORMATION

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEAN B. FLEURANTIN whose telephone number is 571 – 272-4035. The examiner can normally be reached on 7:05 to 4:35.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN E BREENE can be reached on 571 – 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-308-6606.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Jean Bolte Fleurantin

Patent Examiner

Technology Center 2100

June 10, 2005

  
SHAHID ALAM  
PRIMARY EXAMINER